Fig. 1

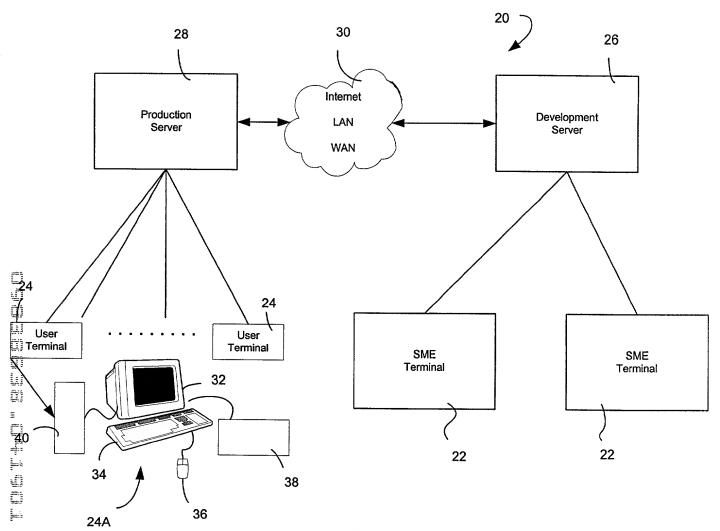
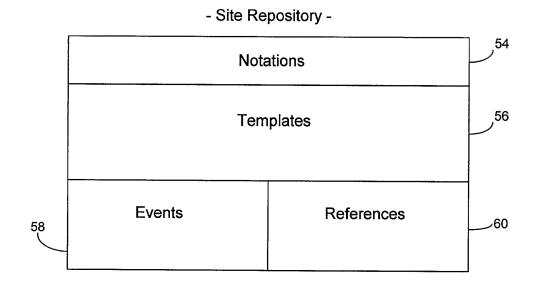


Fig. 2

Fig. 3



## Database Model-

66	Draft Database	-6L	76	C1341		42 /136		3 <i>8</i>
68- 10- 14-	DraftVariables Classification as String Name as String Description as String 72-VariableType as String DataType as String	78 Nat 80Bas Ger 84 ncl DL	Templates ne as String sedOn as String n as Boolean 8 2 sude 1-20 as String L as String 86	DraftTemplateEve Template as Str ID as Integer Event as String	Even Batch Activ Cond	vents t as String n as Boolean rator as String lition as String Tip as String	DraftActions Event as String ID as Integer Action as String Object as String ProcName as String CallType as String Data as String	g
18- 00-	Template as String Classification as String Name as String Condition as String Result as String Include 1-20 as Boolean Frame as String ISOverride as String From Template as String Update From Template as String	102 2)	DraftLookups Name as String BasedOn as String Dimension as Inte ParentGroup as St DataTypeDimensi RangeBoundDime DataTypeResults a Gen as Boolean DLL as String TableGen as Boole ExtendedSearch as	ger 126 tring 122 onl-5 as String ension1-5 as String as String 127 124 ean 130	ParentGro Gen as Bo DLL as St TableGen LimitToC	n as Integer oup as String	Condition as String	
12	EngageServer as String UpdateThisList as Boole UListFill as String Prerequsite as String UserText 1-5 as String CalculatedDefault as Boo	an	62 /		7 7 32		8	

Object Model-Fluid
Object Modeler (FOM)2/146 ILibrary (into cdILibrary) UserEvents **TemplateMaps** *i*Maps **Notations** UserEvent Notation TemplateNumber as Integer TemplateMap Key as String Key as String Maps as TemplateMaps Key as String 158 Activator as String **BuildStateMaps** Classification as String Buckets as Atoms ToolTip as String BuildStateBuckets Name as String DLL as String Condition as String ProcessedName as String StateCode HasCondition as Boolean iStateCode DataType as String Default Values as String Description as String TemplateNumber as Integer UserAction ListValues as String Code as StateCode— 184 Value as String Key as String EntryValues as String BuildState (includes default) ValueArray as Atoms Action as String ResultValues as String SetPrivateEntryValues BucketMask as String Object as String ListMask as String ToModel as String SetListMask ProcName as String Entries as Notations IsOverride as String UpdateVisible CallType as String Constants as Notations IsVisible as Boolean UpdateValid Data as String Results as Notations UpdateEventConditions IsValid as Boolean Conditon as String Events as UserEvents StateFromEntry Values FromModel as String HasCondition as Boolean StateFromDefaultValues UpdatePrompts as Boolean StateFromResultValues EngageServer as String 186 UpdateThisList as Boolean StateFromListValues Atoms ListFill as String EntryValuesFromState Prerequiite as String Atom CreateNew Key as String-Message as String ListFromArray Opt Value as String 196 190 150 Notes as Atoms ArrayFromList SiteTemplates (into cdT - ref cdlLibrary) SiteLibrary (into cdSiteLibrary UserTable\*UserList\*+ ref cdILibrary) -181 List as String **CustomTemplates** UserTemplate\*+ Templates as Atoms EventTriggers as EventTriggers \* Named by CustomMaps UserLookup\*+ UserTemplate1 - xxx \* EntryValues as String User ... Implements iMaps Value1 BuildState ResultValues as String 187 optValue2-5 + Can be CustomStateCode1-xxxx \* ListValues as String optField CustomLists Multiple ListMask as String Implements iStateCode Result Lists as Atoms DLLS cEntryValues\* UserList1 - xxx \* IEntryValues\* **EventTriggers** BuildState cResultsValues\* SiteLibrary (On Client - Usually EventTrigger cConstantValues\* CustomLookups Generated with All Templates Off, Key as String **SetPrivateEntrvValues** Lookups as Atoms Reregistered to SiteLibrary on How as String CalculateEntryValues UserLookup1 - xxx \* Server) Activator as String CalculateResultValues BuildState UserIdentifier as String Calculate ListValues Library Wrapper (into cdLibraryWrapper -ModelerWrapper (into cdModelerWrapper - ref cdlLibrary, ref cdILibrary, cdSiteLibrary - On Client) cdT, cdSiteLibrary - On TS) 152 154 MTSLibraryLock TemplatesWrapper ClientMaps (Get)LockOn as Boolean TemplateName as String Implements iMaps EntryValues as String ListMask as String ClientStateCode (Get) WrappedResults () as String Implements iStateCode (Get) WrappedEntries () as String (Get) WrappedLists () as String **FetchTemplate** Confidential Copyright 2000 Custom Dynamics Inc. CellEvent (How, Activator, UserIdentifier)

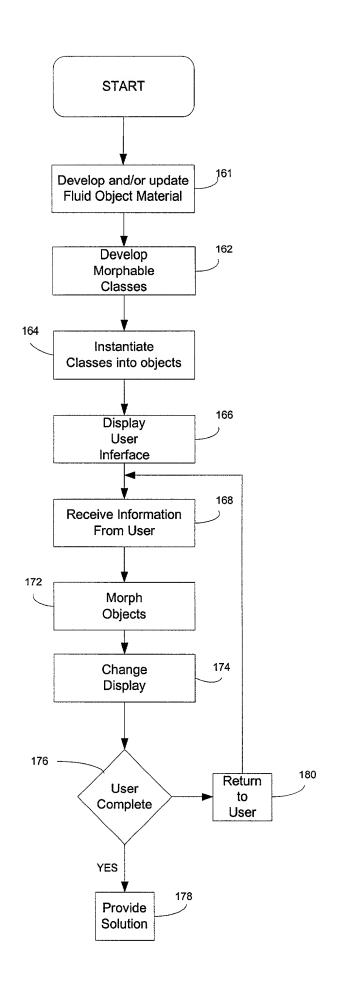
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## Object Model - Fluid Object Materia (FOM)<sup>3</sup>



Modeler (into cdModeler ref cdILibrary, cdModelerWrapper, cdLibraryWrapper - On Client) WorkingModels **Notations** Key as Long Notation Notes as Atoms Key as String **GetMaps** Classification as String GetBuckets(TemplateNumber as Integer) Name as String CreateModel(Template as String, OptQuantity as Integer) ProcessedName as String RemoveModel(Number as Long, OptToEnd as Boolean) DataType as String Reconcile(Number as Long, FromTemplate as String) Description as String Model Value as String Key as Long ValueArray as Atoms BucketMask as String Name as String Frame as String TemplatelNumber as Integer IsOverride as String Entries as Notations IsVisible as Boolean Results as Notations IsValid as Boolean Events as UserEvents Notes as Atoms FromTemplate as String -InitializeModel UpdatePrompts as Boolean RefreshPrompts (OptCurrentEntry as Integer) EngageServer as String RefreshResults UpdateThisList as Boolean PerformOverrides ListFill as String RestoreDefaultValues Prerequsite as String ListFromArray Message as String ArrayFrom List Notes as Atoms ProcessEvents(How As String, Activator As String, UserIdentifier As String) UserEvents ModelerAction(UserIdentifier As String, UserEvent As String, Action As String, ModelNumber As Long, Object As String, ProcName As String, UserEvent CallType As String, Data As String) Key as String ActionComplete(UserIdentifier As String, UserEvent As String, Action As Activator as String String, ModelNumber As Long, StatusCode As Long, StatusMessage As String) ToolTip as String Condition as String HasCondition as Boolean **TemplateMaps** Atoms TemplateMap Atom UserAction Key as String Key as String Key as String Buckets as Atoms OptValue as String Action as String DLL as String Object as String ProcName as String CallType as String Data as String Conditon as String HasCondition as Boolean

EntryObjects (ref ADO, InventoryObjects, CustomerObjects, EntryServer, cdILibrary, cdModeler)



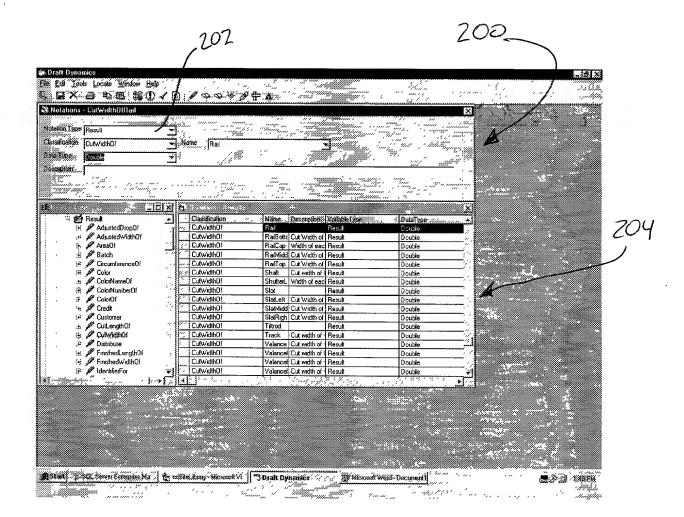


Fig. 8

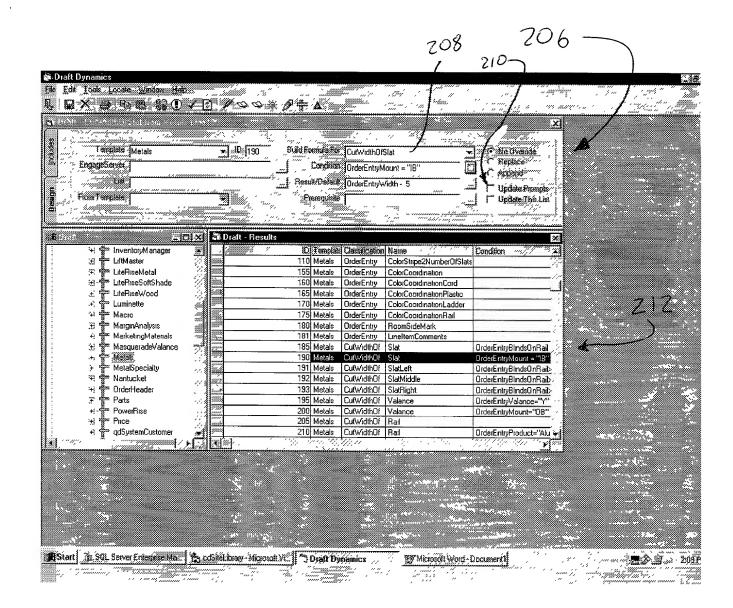


Fig.9

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Fig. 10

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Fig. H

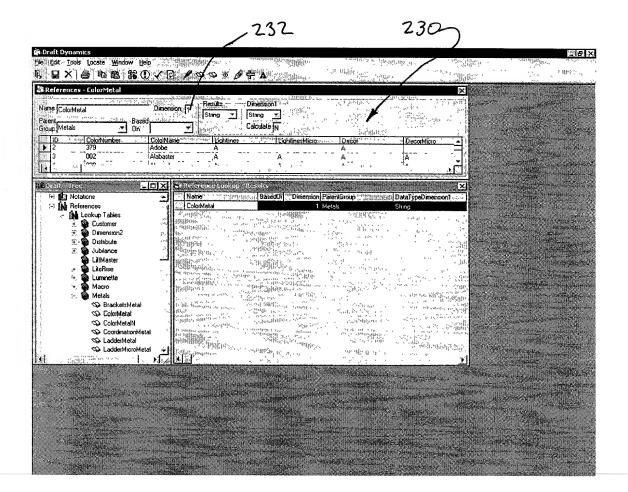


Fig. 12

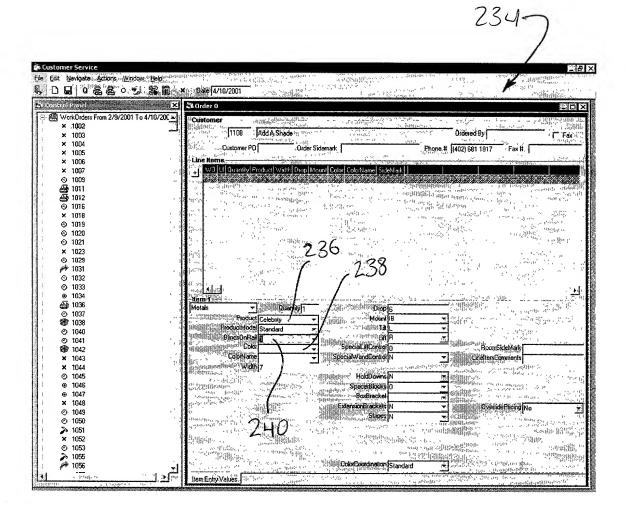


Fig 13A

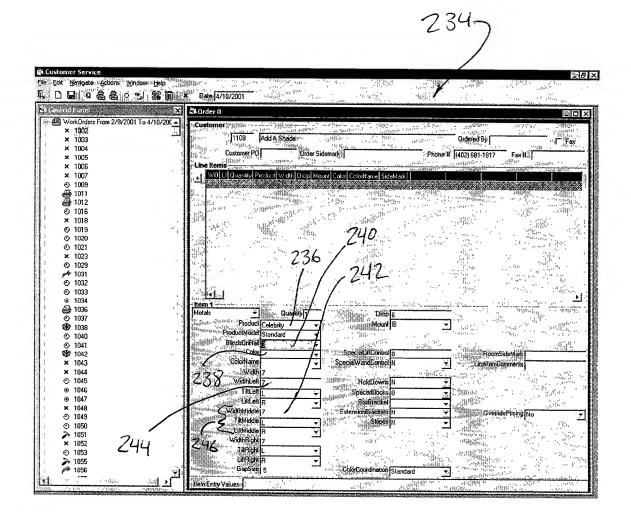


Fig. 13B

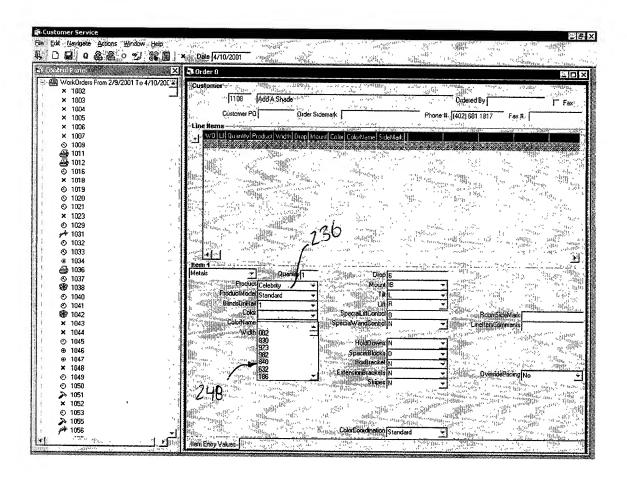


Fig. 14A

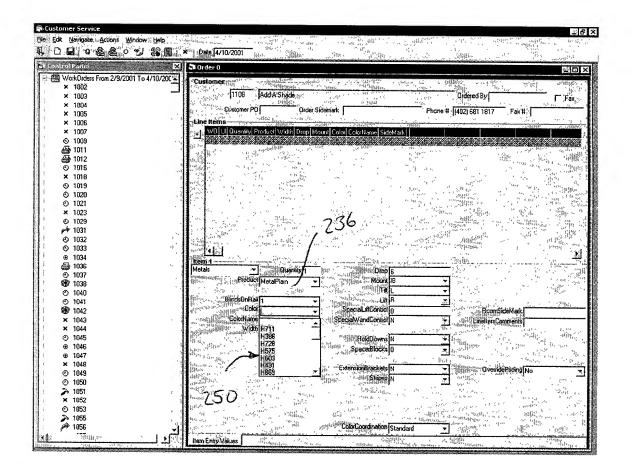


Fig. 14B